



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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Tetrachloroethene Screening Level Announcement

U.S. EPA recently revised certain toxicity parameters for tetrachloroethene (PCE). The revisions follow U.S. EPA's determination that PCE is less toxic than previously thought. The IDEM screening levels table (Table A-6) will not reflect this new information until our January 2013 update. However, responsible parties may propose use of remediation objectives based on the new toxicological data. Given the magnitude of these changes and the importance of this compound at many of our sites, it is important to provide this information. The following table shows IDEM's optional screening levels based on the new toxicological data.

Exposure Scenario	2012 Table A-6 Levels	Optional (New Tox) Levels
<i>Soil Direct Contact (mg/kg)</i>		
Residential	7.7 C	120 N
Commercial/Industrial	26 C	170 S
Excavation	170 S	170 S
<i>Ground Water</i>		
Soil MTG (mg/kg)	0.045 M	0.045 M
Tap (µg/L)	5 M	5 M
<i>VI – Ground Water (µg/L)</i>		
Residential	11 C	110 N
Commercial/Industrial	55 C	470 N
<i>VI – Indoor Air (µg/m³)</i>		
Residential	4.1 C	42 N
Commercial/Industrial	21 C	180 N

C = Level based on carcinogenic effect

M = Level based on maximum contaminant limit (MCL)

N = Level based on noncarcinogenic effect

S = Level capped at soil saturation limit

VI = vapor intrusion

mg/kg = milligrams per kilogram

µg/L = micrograms per liter

µg/m³ = micrograms per cubic meter

If you have questions regarding this announcement, please consult with your IDEM project manager or contact Risk Services staff through the [Contact Risk](#) page on the IDEM [Risk-based Closure website](#).